



**UNITED STATES DEPARTMENT OF COMMERCE  
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/984,563	12/03/97	MAILLOUX	95-0653.03

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LMC1/0316

EXAMINER  
KIM, H

ART UNIT	PAPER NUMBER
2751	

DATE MAILED: 03/16/99

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

# Office Action Summary

Application No.

08/984,563

Applicant(s)

Mailloux et al

Examiner

H. Kim

Group Art Unit

2751

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

## Period for Response

A SHORTENED STATUTORY PERIOD FOR RESPONSE IS SET TO EXPIRE 3 (three) MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a response be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for response specified above is less than thirty (30) days, a response within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for response is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to respond within the set or extended period for response will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

## Status

- ☒ Responsive to communication(s) filed on 1/4/99.
- ☒ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

## Disposition of Claims

- ☒ Claim(s) 36-39 is/are pending in the application.
- Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- ☒ Claim(s) 36-39 is/are rejected.
- ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- ☐ Claim(s) \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
  - ☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been received.
  - ☐ received in Application No. (Series Code/Serial Number) B-14.
  - ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

## Attachment(s)

- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s) 547
- ☒ Notice of References Cited, PTO-892
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Interview Summary, PTO-413
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Other \_\_\_\_\_

Office Action Summary

### Detailed Action

1. Claims 36-39 are presented for examination. This office action is in response to the Amendment filed on 1/4/99.
2. Receipt is acknowledged of information disclosure statement filed on 1/4/99, which the statement has been placed of record in the file. Information disclosed and listed on PTO 1449 was considered.
3. The status of the related U.S. applications or patents should be updated and/or included as appropriate in the CROSS-REFERENCE TO RELATED APPLICATIONS section and in any other corresponding area in the specification, if any. (e.g., U.S. Patent Application Serial No. #####,### filled Sept. 07, 1990, now abandoned; ..., now U.S. Patent #,###,### issued Jan. 01, 1994; or This application is a continuation of Serial Number #####,###, filed on December 01, 1990, now abandoned; ...etc.)
4. It is noted that this application appears to claim subject matter disclosed in the co-pending section of this application. Applicants are reminded to maintain a clear line of demarcation between this application and co-pending applications to avoid possible double patenting.

*Specification*

5. The objection to the title has been withdrawn because of the amendment.

*Claim Rejections - 35 USC § 102*

6. The following is a quotation of the appropriate paragraphs of 35 USC § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

7. Claims 36-39 are rejected under 35 USC 102(b) as being anticipated by *Manning*, U.S. Patent 5,610,864.

As to claim 36, *Manning* discloses the invention as claimed. *Manning* discloses a method for accessing an asynchronously access memory (Fig. 1 and EDO constitutes asynchronous memory, col. 6 lines 14-16), comprising the steps of: receiving an external row address to the asynchronously accessible dynamic random access memory accessible storage device (Fig. 1 and Fig. 2, ADDR, ROW); selecting between a burst (col. 6 lines 14-26 and col. 7 lines 43-54) and a pipelined mode of operation (col. 5 lines 43-50); selecting between a read and a write operation

(Fig. 2 /WE, a logic high indicates read and a logic low indicates write operation);  
obtaining a first external column address (Fig. 1 and Fig. 2, ADDR, COLm).

As to claim 37, Manning further discloses the step of obtaining a second external column address subsequent to the first external column address for operation in the pipeline mode (col. 5 lines 43-45)

As to claims 38, Manning further discloses generating internal address (col. 5 lines 51-62 and col. 8 line 67).

As to claims 39, Manning further discloses selecting path way (Fig. 1 Ref. 40).

#### ***Response to Amendment***

8. Applicant's arguments with respect to claims 36-39 have been considered but are deemed to be moot in view of the new grounds of rejection.

Applicant's argument on page 5 top that the reference does not disclose both a pipeline architecture and a burst architecture is not considered persuasive. Manning discloses that other memory architecture applicable to the current invention includes a pipelined architecture (Col. 5 lines 43-45) and the invention have a option of switching between burst and standard modes of operation (Fig. 1). Therefore, broadly written claims are disclose by the references cited.

### *Conclusion*

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. USP 5,713,011, Jan. 27, 1998, Synchronized data processing system and image processing system; Jun Satoh, et al..
2. USP 5,754,838, May 19, 1998, Synchronous dynamic memory device capable of operating over wide range of operation frequencies; Ken Shibata, et al..

10. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

11. When responding to the office action, Applicant is advised to clearly point out the patentable novelty which he or she thinks the claims present in view of the state of the art disclosed by the references cited or the objections made. He or she must also show how the amendments avoid such references or objections. See 37 C.F.R. § 1.111(c).

12. Applicants are requested to number each line of each claim starting with line number one

to provide easier communication in the future.

13. When responding to the office action, Applicant is advised to provide the examiner with the line numbers and page numbers in the application and/or references cited to assist examiner to locate the appropriate paragraphs.

14. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

15. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Hong Kim whose telephone number is (703) 305-3835. The Examiner can normally be reached on the weekdays from 8:30 AM to 5:00 PM.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Eddie Chan, can be reached on (703) 305-9712.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

16. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**or faxed to:**

(703) 308-9051-2, (for formal communications intended for entry)

**Or:**

(703) 305-9731 (for informal or draft communications, please label  
"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

*HK*  
HK  
Patent Examiner  
March 12, 1999

*Eddie Chan*  
EDDIE P. CHAN  
SUPERVISORY PATENT EXAMINER